

EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT

TTTTTTTTT	IIIIII	EEEEEEEEEE	CCCCCCCC	HH	HH	000000	
TTTTTTTTT	IIIIII	EEEEEEEEEE	CCCCCCCC	HH	HH	000000	
TT	II	EE	CC	HH	HH	00	00
TT	II	EE	CC	HH	HH	00	00
TT	II	EE	CC	HH	HH	00	00
TT	II	EE	CC	HH	HH	00	00
TT	II	EEEEEEEE	CC	HHHHHHHHHH	HH	00	00
TT	II	EEEEEEEE	CC	HHHHHHHHHH	HH	00	00
TT	II	EE	CC	HH	HH	00	00
TT	II	EE	CC	HH	HH	00	00
TT	II	EE	CC	HH	HH	00	00
TT	II	EE	CC	HH	HH	00	00
TT	IIIIII	EEEEEEEEEE	CCCCCCCC	HH	HH	000000	....
TT	IIIIII	EEEEEEEEEE	CCCCCCCC	HH	HH	000000	....

LL	IIIIII	SSSSSSSS
LL	IIIIII	SSSSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SSSSSS
LL	II	SSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LLLLLLLLLL	IIIIII	SSSSSSSS
LLLLLLLLLL	IIIIII	SSSSSSSS

```
0001 0 %TITLE 'EDT$TIECHO - echo a character'
0002 0 MODULE EDT$TIECHO (
0003 0 IDENT = 'V04-000'
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 Echo a character on the echo line.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: June 9, 1979
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 18-FEB-1981. This module was created by
0045 1 extracting routine EDT$TIECHOCH from module TINPUT.
0046 1 1-002 - Regularized headers. JBS 24-Feb-1981
0047 1 1-003 - Fix module name. JBS 11-Mar-1981
0048 1 1-004 - Modify for new error message coordination. SMB 24-Jun-1982
0049 1 1-005 - Don't update EDT$SG_PRV_COL, EDT$FMT_CH is maintaining it. JBS 05-Oct-1982
0050 1 1-006 - Don't write into the parameter list. JBS 17-Jun-1983
0051 1 --
0052 1
```

EDT\$TIECHO  
V04-000

EDT\$TIECHO - echo a character  
Declarations

M 9  
16-Sep-1984 01:55:38  
14-Sep-1984 12:24:51

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]TIECHO.BLI;1 Page 2  
(2)

```

54 0053 1 %SBTTL 'Declarations'
55 0054 1
56 0055 1 : TABLE OF CONTENTS:
57 0056 1 :
58 0057 1
59 0058 1 REQUIRE 'EDTSRC:TRAROUNAM';
60 0497 1
61 0498 1 FORWARD ROUTINE
62 0499 1 EDT$TI_ECHOCH : NOVALUE;
63 0500 1
64 0501 1 :
65 0502 1 : INCLUDE FILES:
66 0503 1 :
67 0504 1
68 0505 1 REQUIRE 'EDTSRC:EDTREQ';
69 0640 1
70 0641 1 :
71 0642 1 : MACROS:
72 0643 1 :
73 0644 1 : NONE
74 0645 1 :
75 0646 1 : EQUATED SYMBOLS:
76 0647 1 :
77 0648 1 : NONE
78 0649 1 :
79 0650 1 : OWN STORAGE:
80 0651 1 :
81 0652 1 : NONE
82 0653 1 :
83 0654 1 : EXTERNAL REFERENCES:
84 0655 1 :
85 0656 1 : in the routine
```



```

87 0657 1 %SBTTL 'EDT$STI_ECHOCH - echo a character'
88 0658 1
89 0659 1 GLOBAL ROUTINE EDT$STI_ECHOCH (
90 0660 1 CHAR
91 0661 1 ) : NOVALUE =
92 0662 1
93 0663 1 !++
94 0664 1 FUNCTIONAL DESCRIPTION:
95 0665 1
96 0666 1 Echo a character on the echo line. If the character is a control character
97 0667 1 it is echoed as ^letter. The echo flag is set to indicate that the line
98 0668 1 will need to be erased in the future.
99 0669 1
100 0670 1 FORMAL PARAMETERS:
101 0671 1
102 0672 1 CHAR the character to be echoed.
103 0673 1
104 0674 1 IMPLICIT INPUTS:
105 0675 1
106 0676 1 EDT$SG_TIN_ECHOFLG
107 0677 1 EDT$SG_TIN_ECHOPOS
108 0678 1
109 0679 1 IMPLICIT OUTPUTS:
110 0680 1
111 0681 1 EDT$SG_TIN_ECHOFLG
112 0682 1 EDT$SG_TIN_ECHOPOS
113 0683 1
114 0684 1 ROUTINE VALUE:
115 0685 1
116 0686 1 NONE
117 0687 1
118 0688 1 SIDE EFFECTS:
119 0689 1
120 0690 1 NONE
121 0691 1
122 0692 1 --
123 0693 1
124 0694 2 BEGIN
125 0695 2
126 0696 2 EXTERNAL ROUTINE
127 0697 2 EDT$FMT_CH,
128 0698 2 EDT$OUT_FMTBUF,
129 0699 2 EDT$SC_POSCSIF;
130 0700 2
131 0701 2 EXTERNAL
132 0702 2 EDT$SG_KPAD,
133 0703 2 EDT$SG_MESSAGE_LINE,
134 0704 2 EDT$SG_TIN_ECHOFLG,
135 0705 2 EDT$SG_TIN_ECHOPOS;
136 0706 2
137 0707 2 LOCAL
138 0708 2 CH;
139 0709 2
140 0710 3 IF (.EDT$SG_TIN_ECHOFLG EQL 0)
141 0711 2 THEN
142 0712 2 !+
143 0713 2 ! For nokeypad commands do the echoing on the first message line

```

```
144 0714 2 ! otherwise echo on the last message line.
145 0715 2 !
146 0716 2
147 0717 2 IF ( NOT .EDT$G_KPAD)
148 0718 2 THEN
149 0719 2     EDT$SC_POSCSIF (.EDT$G_MESSAGE_LINE, .EDT$G_TIN_ECHOPOS)
150 0720 2 ELSE
151 0721 2     EDT$SC_POSCSIF (.EDT$G_MESSAGE_LINE + 1, .EDT$G_TIN_ECHOPOS);
152 0722 2
153 0723 2 CH = .CHAR;
154 0724 2
155 0725 2 IF (.CH LSS %C' ')
156 0726 2 THEN
157 0727 2     BEGIN
158 0728 2     EDT$FMT_CH (%C'^');
159 0729 2     EDT$G_TIN_ECHOPOS = .EDT$G_TIN_ECHOPOS + 1;
160 0730 2     CH = .CH + %C'@';
161 0731 2     END;
162 0732 2
163 0733 2 EDT$FMT_CH (.CH);
164 0734 2 EDT$OUT_FMTBUF ();
165 0735 2 EDT$G_TIN_ECHOPOS = .EDT$G_TIN_ECHOPOS + 1;
166 0736 2 EDT$G_TIN_ECHOFLG = 1;
167 0737 2 END;
```

! of routine EDT\$STI\_ECHOCH

```
.TITLE EDT$TIECHO EDT$TIECHO - echo a character
.IDENT \V04-000\
```

```
.EXTRN EDT$FMT_CH, EDT$OUT_FMTBUF
.EXTRN EDT$SC_POSCSIF
.EXTRN EDT$G_KPAD, EDT$G_MESSAGE_LINE
.EXTRN EDT$G_TIN_ECHOFLG
.EXTRN EDT$G_TIN_ECHOPOS
```

```
.PSECT _EDT$CODE, NOWRT, SHR, PIC, 2
```

```
.ENTRY EDT$STI_ECHOCH, Save R2,R3,R4,R5
MOVAB EDT$G_TIN_ECHOFLG, R5
MOVAB EDT$FMT_CH, R4
MOVAB EDT$G_TIN_ECHOPOS, R3
TSTL EDT$G_TIN_ECHOFLG
BNEQ 3$
MOVL EDT$G_TIN_ECHOPOS, R0
MOVL EDT$G_MESSAGE_LINE, R2
BLBS EDT$G_KPAD, 1$
PUSHL R0
PUSHL R2
BRB 2$
PUSHL R0
PUSHAB 1(R2)
CALLS #2, EDT$SC_POSCSIF
MOVL CHAR, CH
CMPL CH, #32
BGEQ 4$
MOVZBL #94, -(SP)
CALLS #1, EDT$FMT_CH
```

```
003C 00000
55 00000000G 00 9E 00002
54 00000000G 00 9E 00009
53 00000000G 00 9E 00010
65 D5 00017
23 12 00019
50 63 D0 0001B
52 00000000G 00 D0 0001E
06 00000000G 00 EB 00025
50 DD 0002C
52 DD 0002E
05 11 00030
50 DD 00032 1$:
01 A2 9F 00034
00000000G 00 02 FB 00037 2$:
52 04 AC D0 0003E 3$:
20 52 D1 00042
0D 1B 00045
7E 5E 8F 9A 00047
64 01 FB 0004B
```

```
0659
0710
0719
0717
0719
0721
0723
0725
0728
```

EDT\$TIECHO  
V04-000

EDT\$TIECHO - echo a character  
EDT\$\$TI\_ECHOCH - echo a character

C 10  
16-Sep-1984 01:55:38  
14-Sep-1984 12:24:51

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]TIECHO.BLI;1

Page 5  
(3)

	52	40	63	D6	0004E	INCL	EDT\$\$G_TIN_ECHOPOS	:	0729
			A2	9E	00050	MOVAB	64(R2), CH	:	0730
			52	DD	00054	PUSHL	CH	:	0733
	64		01	FB	00056	CALLS	#1, EDT\$\$FMT_CH	:	
00000000G	00		00	FB	00059	CALLS	#0, EDT\$\$OUT_FMTBUF	:	0734
			63	D6	00060	INCL	EDT\$\$G_TIN_ECHOPOS	:	0735
	65		01	D0	00062	MOVL	#1, EDT\$\$G_TIN_ECHOFLG	:	0736
			04	00065	RET			:	0737

; Routine Size: 102 bytes, Routine Base: \_EDT\$CODE + 0000

; 168 0738 1  
; 169 0739 1 !<BLF/PAGE>



EDT\$TIECHO  
V04-000

EDT\$TIECHO - echo a character  
EDT\$STI\_ECHOCH - echo a character

D 10  
16-Sep-1984 01:55:38  
14-Sep-1984 12:24:51

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]TIECHO.BLI;1

Page 6  
(4)

: 171  
: 172  
: 173

0740 1 END  
0741 1  
0742 0 ELUDOM

! of module EDT\$TIECHO

### PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	102	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

### Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	0	0	40	00:00.2
\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

### COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:TIECHO/OBJ=OBJ\$:TIECHO MSRC\$:TIECHO.BLI/UPDATE=(ENH\$:TIECHO)

: Size: 102 code + 0 data bytes  
: Run Time: 00:10.7  
: Elapsed Time: 00:13.4  
: Lines/CPU Min: 4156  
: Lexemes/CPU-Min: 11165  
: Memory Used: 68 pages  
: Compilation Complete



0140 AH-BT13A-SE  
VAX/VMS V4.0

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